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AP
AP 1637

PTO/SB/21 (6-99)

Approved for use through 09/30/2000. OMB 0651-0031
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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application Number	10/015,390
		Filing Date	December 12, 2001
		First Named Inventor	David Botstein
		Group/Art Unit	1637
		Examiner Name	Jeffrey Norman Fredman
Total Number of Pages in This Submission	299	Attorney Docket Number	39780-2830 P1C53

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Appellants' Brief <input checked="" type="checkbox"/> After Final <input type="checkbox"/> Version With Markings Showing Changes <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Extension of Time Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 <input type="checkbox"/> Copy of Notice	<input type="checkbox"/> Copy of an Assignment <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, by Assignee to Exclusion of Inventor Under 37 C.F.R. §3.71 With Revocation of Prior Powers <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> Request for Refund	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input checked="" type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> ADDITIONAL ENCLOSURE(S) (PLEASE IDENTIFY BELOW): <input checked="" type="checkbox"/> 3 COPIES OF EXHIBIT A - SEQUENCE ALIGNMENT; 3 COPIES OF PCT WO 97/29765 ; 3 COPIES OF US PATENT 6,696,559; AND STAMPED RETURN POSTCARD
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AUTHORIZATION TO CHARGE DEPOSIT ACCOUNT 08-1641 FOR ANY FEES DUE IN CONNECTION WITH THIS PAPER, REFERENCING ATTORNEY'S DOCKET NO. 39780-2830P1C53.		

SIGNATURE OF APPLICANT, ATTORNEY OR AGENT

Firm or Individual name	HELLER EHRLMAN LLP 275 Middlefield Road, Menlo Park, California 94025			Telephone: (650) 324-7000	Facsimile: (650) 324-0638
Signature					
Date	JULY 1, 2005	Customer Number:	35489		

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**FEET TRANSMITTAL
for FY 2005**

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 950.00)

Complete if Known

Application Number	10/015,390
Filing Date	December 12, 2001
First Named Inventor	David Botstein
Examiner Name	Jeffrey Norman Fredman
Art Unit	1637
Attorney Docket No.	39780-2830 P1C53

METHOD OF PAYMENT (check all that apply)

 Check Credit card Money Order Other None
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08-1641(39780-2830P1C53)

HELLER EHRMAN, LLP

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FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1001 300	2001 150			Utility filing fee	
1002 200	2002 100			Design filing fee	
1003 200	2003 100			Plant filing fee	
1004 300	2004 150			Reissue filing fee	
1005 200	2005 100			Provisional filing fee	
SUBTOTAL (1) (\$)					

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid
				-20** =	X =
				-3** =	X =
					=

Large Entity	Small Entity	Fee Description
1202 50	2202 25	Claims in excess of 20
1201 200	2201 100	Independent claims in excess of 3
1203 360	2203 180	Multiple dependent claim, if not paid
1204 200	2204 100	** Reissue independent claims over original patent
1205 50	2205 25	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2) (\$)		

**or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES	Large Entity	Small Entity	Fee Description	Fee Paid
1051 130	2051 65		Surcharge - late filing fee or oath	
1052 50	2052 25		Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130		Non-English specification	
1812 2,520	1812 2,520		For filing a request for ex parte reexamination	
1804 920*	1804 920*		Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*		Requesting publication of SIR after Examiner action	
1251 120	2251 60		Extension for reply within first month	
1252 450	2252 225		Extension for reply within second month	450.00
1253 1,020	2253 510		Extension for reply within third month	
1254 1,590	2254 795		Extension for reply within fourth month	
1255 2,160	2255 1,080		Extension for reply within fifth month	
1401 500	2401 250		Notice of Appeal	
1402 500	2402 250		Filing a brief in support of an appeal	500.00
1403 1,000	2403 500		Request for oral hearing	
1451 1,510	1451 1,510		Petition to institute a public use proceeding	
1452 500	2452 250		Petition to revive - unavoidable	
1453 1,500	2453 750		Petition to revive - unintentional	
1501 1,400	2501 700		Utility issue fee (or reissue)	
1502 800	2502 400		Design issue fee	
1503 1,100	2503 550		Plant issue fee	
1460 130	1460 130		Petitions to the Commissioner	
1807 50	1807 50		Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180		Submission of Information Disclosure Stmt	
8021 40	8021 40		Recording each patent assignment per property (times number of properties)	
1809 790	2809 395		Filing a submission after final rejection (37 CFR 1.129(a))	
1810 790	2810 395		For each additional invention to be examined (37 CFR 1.129(b))	
1801 790	2801 395		Request for Continued Examination (RCE)	
1802 900	1802 900		Request for expedited examination of a design application	
Other fee (specify) _____				
*Reduced by Basic Filing Fee Paid			SUBTOTAL (3) (\$)	950.00

SUBMITTED BY

(Complete if applicable)

Name (Print/Type)	Barrie D. Greene	Registration No. (Attorney/Agent)	46,740	Telephone (650) 324-7000
Signature	Barrie D. Greene		Date	July 1, 2005

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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